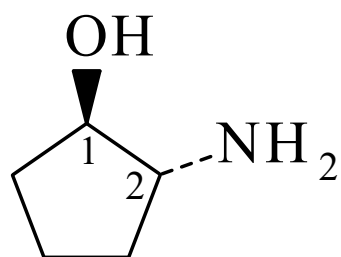




>>Entry Name: 2-Aminocyclopentanol, 9CI, 8CI



(1*R*,2*R*)-form

Molecular Formula: C₅H₁₁NO

Molecular Weight: 101.148

Accurate Mass: 101.084064

Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%

>>Variant: (1*R*,2*R*)-form

Synonym(s): (–)-*trans*-form

CAS Registry Number: 68327-03-7

Molecular Formula: C₅H₁₁NO

Molecular Weight: 101.148

Accurate Mass: 101.084064

Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%

Boiling Point: Bp₁₃ 116-117°

Optical Rotation: [α]_D²⁰ –33.3 (c, 1.7 in EtOH)

>>Derivative: Hydrochloride

CAS Registry Number: 68327-11-7

Melting Point: Mp 161-163°

Optical Rotation: [α]_D²⁰ –34.8 (c, 1.6 in H₂O)

>>Variant: (1*RS*,2*RS*)-form

Synonym(s): (±)-*trans*-form

CAS Registry Number: 33092-86-3

Molecular Formula: C₅H₁₁NO

Molecular Weight: 101.148

Accurate Mass: 101.084064

Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%

pKa Value: p*K*_a 9.28

>>Derivative: Hydrochloride

Physical Description: Plates

Melting Point: Mp 193-194°

>>Variant: (1*RS*,2*SR*)-form

Synonym(s): (±)-*cis*-form

Molecular Formula: C₅H₁₁NO

Molecular Weight: 101.148

Accurate Mass: 101.084064

Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%

pKa Value: p*K*_a 9.7

>>Derivative: Hydrochloride

CAS Registry Number: 33092-89-6

Physical Description: Leaflets (EtOH/C₆H₆)

Melting Point: Mp 179-180 dec.°

References:

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Barr, A.A. *et al.*, *Can. J. Chem.*, 1977, **55**, 4180, (*synth, abs config*)